

Environmental Protection Agency

VXI Systems Shutdown Procedure

This procedure is written for the Environmental Protection Agency, National Vehicle and Fuel Emissions Laboratory (NVFEL) internal use. The use of specific brand names by NVFEL in this procedure are for reference only and are not an endorsement of those products. This document may be used for guidance by other laboratories.

NVFEL Reference Number

032A

Implementation Approval

Original Procedure Authorized by EPCN #265 on 4-11-2000

Revision Description

- (1) 09-18-2001 The purpose of this change is to update the Group Responsible name per EPCN #316

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1. Purpose

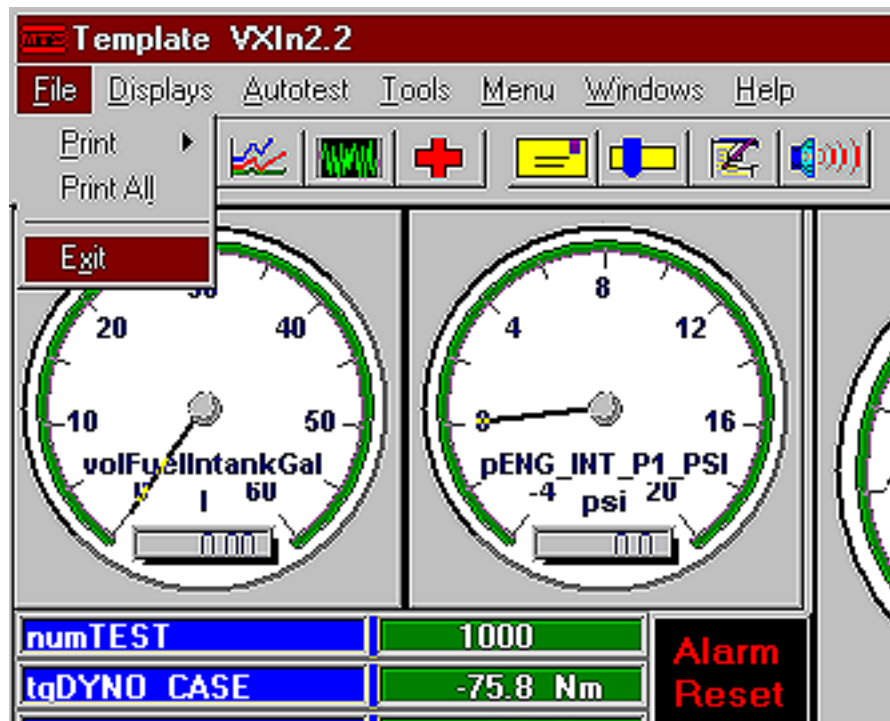
The purpose of this procedure is to document the steps required to shut down the computers of VXI-based systems, as found in MTS cells. This is normally done on Fridays or any other time you need to power down the Crate.

The shutdown covers the two computers, not any other equipment.

2. Test Procedure

100 Shutting down the VX-In Engine Controller computer

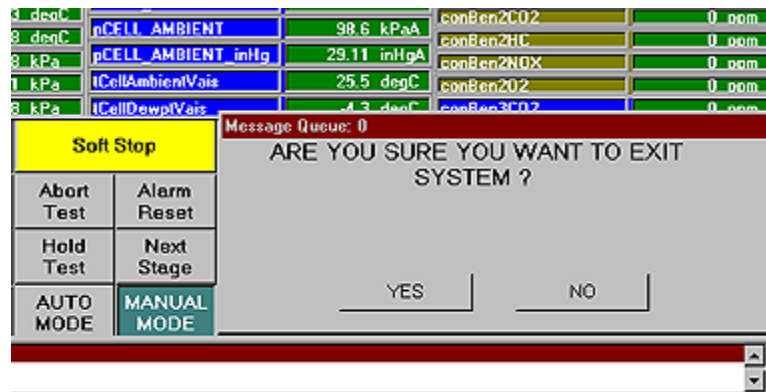
101 After ensuring that the dynamometer and the engine are completely stopped, select "Exit" from the File menu. See Figure 1.



.c. Figure 1
.c. File menu

- 102 When the Message Queue prompts: “ARE YOU SURE YOU WANT TO TO EXIT THE SYSTEM?”, click “Yes” to continue the shutdown. See Figure 2.

Selecting “No” will return you to the program.



.c. Figure 2
.c. Message Quque

200 Shutting down the VXI Crate computer

- 201 From the “Program Manager” within VX-In, select “Load Dr. VXI” and doubleclick on it.
- Note:** If any processes are running call the programmer before the system is shut down.
- 202 From the “System” menu select “Shutdown VXI”.
- 203 When “Dr. VXI” prompts: “Are you sure you want to reboot the VXI?”, click “OK” to confirm the system should be shut down.
- 204 Wait for a message from Dr. VXI that the Crate can be shut down; then click “OK”.
- 205 Turn off the power to the VXI Crate by pushing the white power button. The green LED light, next to the button, will go out.
- 206 Exit Dr. VXI by selecting “Exit” under the File menu of the Dr. VXI window.

300 Windows NT and host PC shutdown

301 Press “Ctrl + Alt” and hit “Delete”.

302 Select “Shutdown” from the Windows NT Security window.

303 Another dialog box, “Shutdown Computer”, appears; select the “SHUTDOWN” button and click “OK”.

304 The “Shutdown Computer” box prompts: “It is now safe to turn off your computer”.

Turn off power to the host PC by pressing the red rocker switch to the left, or the black rocker switch to the right. The red rocker switch will show the depressed 0 for OFF. The black rocker switch does not visually show OFF and ON states.

(See Working Procedure 031 “PNGV Start VX-In” for further details on the rocker switches).

305 Turn off the monitor button to complete the total shutdown.

3. Acceptance Criteria

3.1 The computers are off.